

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID: M99767
Date Received: 09/15/06
Date Extracted: 09/20/06
Date Analyzed: 09/20/06
Matrix: Water
Units: ug/L (ppb)

Client: Alaskan Copper Works
Project: PO# M99767, F&BI 609139
Lab ID: 609139-01 10x
Data File: 609139-01 10x.072
Instrument: ICPMS1
Operator: btb

| | | | |
|--------------------|-------------|--------|--------|
| Internal Standard: | % Recovery: | Lower | Upper |
| Germanium | 100 | Limit: | Limit: |
| | | 60 | 125 |

| Analyte: | Concentration ug/L (ppb) |
|----------|-----------------------------|
| Chromium | 840 |
| Nickel | 950 |
| Copper | 945 |
| Zinc | 11.9 |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

| | | | |
|-----------------|----------------|-------------|-------------------------|
| Client ID: | Method Blank | Client: | Alaskan Copper Works |
| Date Received: | Not Applicable | Project: | PO# M99767, F&BI 609139 |
| Date Extracted: | 09/20/06 | Lab ID: | I6-388 mb |
| Date Analyzed: | 09/20/06 | Data File: | I6-388 mb.054 |
| Matrix: | Water | Instrument: | ICPMS1 |
| Units: | ug/L (ppb) | Operator: | btb |

| | | | |
|--------------------|-------------|--------|--------|
| Internal Standard: | % Recovery: | Lower | Upper |
| Germanium | 107 | Limit: | Limit: |
| | | 60 | 125 |

| Analyte: | Concentration ug/L (ppb) |
|----------|-----------------------------|
| Chromium | <1 |
| Nickel | <1 |
| Copper | <1 |
| Zinc | <1 |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 09/25/06

Date Received: 09/15/06

Project: Metro Grab, PO# M99767, F&BI 609139

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR TOTAL METALS BY EPA METHOD 200.8

Laboratory Code: 609091-03 (Duplicate)

| Analyte | Reporting Units | Sample Result | Duplicate Result | Relative Percent Difference | Acceptance Criteria |
|----------|-----------------|---------------|------------------|-----------------------------|---------------------|
| Chromium | ug/L (ppb) | 91.7 | 75.9 | 19 | 0-20 |
| Nickel | ug/L (ppb) | 84.8 | 72.2 | 16 | 0-20 |
| Copper | ug/L (ppb) | 149 | 128 | 15 | 0-20 |
| Zinc | ug/L (ppb) | 172 | 144 | 18 | 0-20 |

Laboratory Code: 609091-03 (Matrix Spike)

| Analyte | Reporting Units | Spike Level | Sample Result | Percent Recovery MS | Acceptance Criteria |
|----------|-----------------|-------------|---------------|---------------------|---------------------|
| Chromium | ug/L (ppb) | 20 | 91.7 | 63 b | 50-150 |
| Nickel | ug/L (ppb) | 20 | 84.8 | 85 b | 50-150 |
| Copper | ug/L (ppb) | 20 | 149 | 41 b | 50-150 |
| Zinc | ug/L (ppb) | 50 | 172 | 72 b | 50-150 |

Laboratory Code: Laboratory Control Sample

| Analyte | Reporting Units | Spike Level | Percent Recovery LCS | Acceptance Criteria |
|----------|-----------------|-------------|----------------------|---------------------|
| Chromium | ug/L (ppb) | 20 | 104 | 70-130 |
| Nickel | ug/L (ppb) | 20 | 102 | 70-130 |
| Copper | ug/L (ppb) | 20 | 105 | 70-130 |
| Zinc | ug/L (ppb) | 50 | 98 | 70-130 |

b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Charlene Morrow, M.S.
Yelena Aravkina, M.S.
Bradley T. Benson, B.S.
Kurt Johnson, B.S.

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September 25, 2006

DUPLICATE COPY

INVOICE # 06ACU0925-1

Accounts Payable
Alaskan Copper Works
628 South Hanford
Seattle, WA 98134

RE: Project Metro Grab, PO# M99767, F&BI 609139 - Results of testing
requested by Gerry Thompson for material submitted on September 15, 2006.

1 sample analyzed for Total Chromium, Copper, Nickel and Zinc
by Method 200.8 @ \$80 per sample

\$ 80.00

Amount Due

\$ 80.00

FEDERAL TAX ID # (b) (6)

609139

SAMPLE CHAIN OF CUSTODY

ME 09-15-06

AED

AI 4

Send Report To

Company

Address

City, State, ZIP

Phone #

Fax #

SAMPLER'S Signature

PROJECT NAME/NO.

PO #

REMARKS

Page # of

TURNAROUND TIME

☐ Standard (2 Weeks)☐ RUSH

Rush charges authorized by:

SAMPLE DISPOSAL

☐ Dispose after 30 days☐ Return samples☐ Will call with instructions

| Sample ID | Lab ID | Date | Time | Sample Type | # of containers | ANALYSES REQUESTED | | | | | | | | | | Notes |
|-----------|--------|---------|-------|------------------|-----------------|--------------------|--------------|---------------|--------------|---------------|-----|----|--|--|--|-------|
| | | | | | | TPH-Diesel | TPH-Gasoline | BTEX by 8021B | VOCs by 8260 | SVOCs by 8270 | HFS | OK | | | | |
| M99767 | 01 | 9/15/06 | 12:10 | H ₂ O | 1 | | | | | | | | | | | |
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Friedman & Bruya, Inc.
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Seattle, WA 98119-2029

Ph. (206) 285-8282

Fax (206) 283-5044

FORMS\COC\COC.DOC

SIGNATURE

PRINT NAME

COMPANY

DATE

TIME

Relinquished by:

Received by:

Relinquished by:

Received by:

Samples received at 25 °C

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

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September 25, 2006

Gerry Thompson, Project Manager
Alaskan Copper Works
628 South Hanford
Seattle, WA 98134

Dear Mr. Thompson:

Included are the results from the testing of material submitted on September 15, 2006 from the Metro Grab, PO# M99767, F&BI 609139 project. There are 3 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl
Project Manager

Enclosures
ACU0925R